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Date: January 31, 2002

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

Bartelmez and Iversen

SERIAL No.: 09/684,061

FILED: October 6, 2000

FOR: ANTISENSE COMPOSITIONS AND
CANCER-TREATMENT METHODS

EXAMINER: Zara

ART UNIT: 1635

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Amendment Under 37 C.F.R. §1.111

Assistant Commissioner for Patents

Washington, D.C. 20231

Sir:

In response to the Office action dated July 31, 2001 in the above-identified application, please amend the above-identified application as follows.

In the Claims:

Please amend claims 1, 8, 9, 10, 17, and 18 as follows:

1. (Amended) A method of modulating hematopoietic stem cell differentiation, comprising:

providing one or more antisense oligomers directed to an mRNA preferentially expressed in stem cells, effective to achieve an (i) increase in the number of lineage committed progenitor cells and their progeny, and/or (ii) effect a slowing or diminution of the growth of cells exhibiting a loss of growth control, or a reduction in the total number of such cells.

APR 5 2002
[Signature]